

Sample Study Outline

# Mining Engineering (MIN)

Program / Degree: 3707 Bachelor of Engineering (Honours) Mining Engineering

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC
1st	ENGG1000 Engineering Design and Innovation ENGG1811 Computing for Engineers MATH1131/1141 Mathematics 1A/Higher Mathematics 1 A	6 6 6	MATH1231/1241 Mathematics 1B/Higher Mathematics 1 B (MATH1131/1141) PHYS1121/1131 Physics 1A/Higher Physics 1A MINE1010 Mineral Resources Engineering	6 6 6	CVEN1300 Engineering Mechanics for Civil Engineers (MATH1131/1231 & PHS1121/1131) Elective (GEOS1111 or MATS1101 Recommended) MATH2019 Engineering Mathematics 2E (MATH1231/1241)	6 6 6
	Total UOC	18	Total UOC	18	Total UOC	18
2nd	CVEN2301 Mechanics of Solids (CVEN1300) General Education MATH2089 Numerical Methods and Statistics (MATH1231/1241)	6 6 6	MINE2010 Mining Project Development (MINE1010) MATS2005 Introduction to Fluid Flow and Heat Transfer MINE2610 Mining Services	6 6 6	Mine Professional Elective/General Education <a href="#">Industry Training 1</a>	6 12
	Total UOC (nominal)	18	Total UOC	18	Total UOC (nominal)	6+12
3rd	MINE3310 Mining Geomechanics (CVEN2301) MINE3220 Resource Estimation (MINE2010) MINE3430 Mining Systems (MINE2010)	6 6 6	MINE3910 Socio-Environmental Aspects of Mining (MINE2010) MINE3230 Mine Planning (MINE3220) MINE Professional Elective	6 6 6	MINE Professional Elective/General Education <a href="#">Industry Training 2</a>	6 12
	Total UOC	18	Total UOC	18	Total UOC (nominal)	6+12
4th	MINE4250 Hardrock Mine Design & Feasibility (MINE3230) MINE4310 Mine Geotechnical Engineering (MINE3310) Thesis A	6 6 4	MINE4710 Mine Management (MINE3430) MINE4260 Coal Mine Design & Feasibility (MINE4250) Thesis B	6 6 4	MINE2810 Minerals and Processing (GEOS1111) MINE3630 Rock Breakage (MINE3430) MINE3510 Mine Ventilation (MATS2005) Thesis C	6 6 6 4
	Total UOC	16	Total UOC	16	Total UOC	22

## Notes:

Program must include 12 UoC of General Education and 12 UoC of MINE Professional Electives

Course pre-requisites are in brackets

All courses are 6 UoC unless indicated otherwise.

MINE Professional Elective – Students can be granted special permission to enrol in a PG level block course or distance course.

## Resources:

- UNSW Handbook: <https://www.handbook.unsw.edu.au/undergraduate/specialisations/2019/MINEAH>
- School: <https://www.engineering.unsw.edu.au/minerals-energy-resources/>
- Co-op: <https://www.coop.unsw.edu.au/programs/mining-engineering-min>

## Co-op Academic Coordinator

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For enrolment related questions please always contact your Co-op Academic Coordinator in the first instance:

## **When would I be on Industry Training (IT)?**

